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### [1. SB153-002: GHz, Octavespanning Photodetectors for MWIR/LWIR](#)

Release Date: 08-27-2015 Open Date: 09-28-2015 Due Date: 10-28-2015 Close Date: 10-28-2015

TECHNOLOGY AREA(S): Chemical/Biological Defense, Electronics The technology within this topic is restricted under the International Traffic in Arms Regulation (ITAR), which controls the export and import of defense-related material and services. Offerors must disclose any proposed use of foreign nationals, their country of origin, and what tasks each would accomplish in the statement of work in acc ...

SBIR Defense Advanced Research Projects Agency Department of Defense

### [2. AF153-001: Global Surveillance Augmentation Using Commercial Satellite Imaging Systems](#)

Release Date: 08-27-2015 Open Date: 09-28-2015 Due Date: 10-28-2015 Close Date: 10-28-2015

\* DIRECT TO PHASE II \* TECHNOLOGY AREA(S): The technology within this topic is restricted under the International Traffic in Arms Regulation (ITAR), 22 CFR Parts 120-130, which controls the export and import of defense-related material and services, including export of sensitive technical data, or the Export Administration Regulation (EAR), 15 CFR Parts 730-774, which controls dual use items. ...

SBIR Air Force Department of Defense

### [3. MDA15-T005: Gold Contaminated Solder Joint Characterization for Quantifying Risks Associated with Gold Embrittlement](#)

Release Date: 08-27-2015 Open Date: 09-28-2015 Due Date: 10-28-2015 Close Date: 10-28-2015

TECHNOLOGY AREA(S): Electronics OBJECTIVE: Develop a risk forecasting tool for quantifying the risks associated with gold-embrittled solder joints in electronic assemblies. Specifically, the model should accurately assess the likelihood of solder joint failure given specific environmental stress conditions (vibrational and thermal shock). DESCRIPTION: Circuit card assemblies (CCAs) are c ...

STTR Missile Defense Agency Department of Defense

### [4. AF153-002: Handheld Dismount Kit for Persistent, Precision Navigation in GPS-challenged Environments for Military Operations](#)

Release Date: 08-27-2015 Open Date: 09-28-2015 Due Date: 10-28-2015 Close Date: 10-28-2015

\* DIRECT TO PHASE II \* TECHNOLOGY AREA(S): The technology within this topic is restricted under the International Traffic in Arms Regulation (ITAR), 22 CFR Parts 120-130, which controls the export and import of defense-related material and services, including export of sensitive technical data, or the Export Administration Regulation (EAR), 15 CFR Parts 730-774, which controls dual use items. ...

SBIR Air Force Department of Defense

**5. [N153-124: Harvestable Energy System for Use in Covered Locations](#)**

Release Date: 08-27-2015 Open Date: 09-28-2015 Due Date: 10-28-2015 Close Date: 10-28-2015

TECHNOLOGY AREA(S): Materials/Processes ACQUISITION PROGRAM: PM Combat Support Systems (CSS), PdM Expeditionary Power Systems (EPS) OBJECTIVE: Develop innovative approaches to enable a Marine unit to harvest energy in locations that are covered with low direct-light levels and low wind levels. DESCRIPTION: Logistics resupply of power, both fuel and batteries, is a major burden on a ...

SBIR Navy Department of Defense

**6. [PA-13-050: HHS SBIR PA-13-050](#)**

Release Date: 12-18-2012 Open Date: 03-05-2013 Due Date: 01-08-2016 Close Date: 01-08-2016

Background: Studies in animals have demonstrated that sterile polymer materials placed intraperitoneally will demonstrate adherent inflammatory cells in a matter of hours and will cause alterations in the surrounding tissue within 24 hours. The initial steps in the reaction involve the irreversible deposition of fibrinogen and other plasma proteins on the polymer surface, followed by the bindi ...

SBIR Department of Health and Human Services

**7. [PA-13-052: HHS SBIR PA-13-052](#)**

Release Date: 12-18-2012 Open Date: 03-05-2013 Due Date: 01-08-2016 Close Date: 01-08-2016

The overall goal of the announcement is to support research and development of devices, software, or technology that will optimize data collection for NIDDK clinical studies. Background: NIDDK has ongoing clinical studies (e.g., Chronic Renal Insufficiency Cohort or CRIC) and several consortium studies planned for 2013-2018: RFA-DK-12-010 (<http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-1> ...

SBIR Department of Health and Human Services

**8. [PA-13-092: HHS SBIR PA-13-092](#)**

Release Date: 01-25-2013 Open Date: 03-05-2013 Due Dates: Multiple Close Date: 01-05-2016

The NIH supports animal models and related materials that are central to both understanding basic biological processes and for developing applications directly related to improving human health. DCM/ORIP-funded Resources aid these efforts by developing, characterizing, preserving and distributing high quality animals and biological materials that are used by researchers in all disciplines of biome ...

SBIR Department of Health and Human Services

**9. [PA-13-140: HHS SBIR PA-13-140](#)**

Release Date: 03-13-2013Open Date: 07-05-2013Due Date: 01-07-2016Close Date: 01-07-2016

Purpose The NIH Common Fund is a framework to enhance cooperative activities among the NIH Office of the Director and all the NIH Institutes and Centers (for further information, see <http://commonfund.nih.gov>). This Funding Opportunity Announcement (FOA) is released in affiliation with the NIH Common Fund, however, the participating Institutes and Centers (ICs) are participating independently an ...

SBIR Department of Health and Human Services

**10. [PA-13-223: HHS SBIR PA-13-223](#)**

Release Date: 05-08-2013Open Date: 07-05-2013Due Date: 05-07-2016Close Date: 05-07-2016

Regenerative Medicine aims to replace or regenerate human cells, tissues or organs to restore or establish normal function lost due to injury, toxicological/metabolic damage, congenital pathologies or ageing. Regenerative medicine has the potential to overcome the shortage of organs available for human transplants by replacing or stimulating the body's own repair mechanisms to heal or regrow d ...

SBIR Department of Health and Human Services

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